EXPLORATION LOG SA39-A3

	X AREA 3 EXPLO BARREL EQUIF RFACE LOGG ICOUNTERED DATE	MENT: SDC	092518V1 TE: 10-9-2009 550-24 SONIC CORE RIG <u>MPSON/GAREY</u> <u>N/A</u>							
elevation/ Depth	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION		₫	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
- - - - 2.5 -		FILL FILL	FILL: SAND with gravel FILL: SAND, SP, black (GLEY very fine to fine sand, loose to n dry, no plasticity,							
- - - - - - - - - - - - - - - - -		FILL	FILL: SAND, SW, reddish brown 95% fine to coarse sand, 5% fir gravel, medium loose, dry, weal with calcite, no plasticity	e to medium						
- - - - - - - - - - - - - - - - - - -	23 22 22	FILL SW SW	FILL: SAND with silt, SP, light r (5YR 6/4), 10% silt, 90% very fil sand, medium loose dry, low pl HCI reaction Collect SA39-10B, PID readings 0.0 ppmV, 11.7 eV = 0.3 ppmV SAND, reddish brown (5YR 4/4) coarse sand, 5% fine to medium to rounded gravel, medium loose dry, no plasticity, frequent calicit strong HCI reaction	the to fine asticity, strong $10.6 \text{ eV} = \int_{1}^{1}$ 1,95% fine to a sub-angular 1000000000000000000000000000000000000						

GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC.

Figure No.

EXPLORATION LOG SA39-A3

PROJECT: TRONOX PHASE B EXPLORATION LOCATION: TRONOX AREA 3				PROJECT NO.: <u>20092518V1</u> EXPLORATION DATE: 10-9-2009							
EXPLORATION SIZE (dia.): 3" CORE BARREL				EQUIPMENT: SDC550-24 SONIC CORE RIG							
	N: EXISTING GRO	LOGGED BY: THO									
	PTH TO WATER:	DATE MEASURED:									
FINAL DEP	TH TO WATER:	COUNTERED	DATE MEASURED:								
elevation/ Depth				TION	⊡	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION	
- 17.5 - - - - 20 -											
- 22.5 - - - - - - 25											
	39 50/4	SW	Collect SA39-25B, PID r 0.0 ppmV, 11.7 eV = 0.2	2 ppmV							
- - 30 - - - - - - - - - 32.5		SW	SAND, reddish brown (5 coarse sand, 5% fine to to rounded volcanic grave dense, dry, no plasticity,	medium sub-angular el, dense to very							
L T	he descriptions contained	within this ex	xploration log apply only at the speci ed to be representative of subsurfac	fic exploration location and at the conditions at other locations	he tim	ne the e	exploration	n was mac	le.		

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Figure No.

EXPLORATION LOG SA39-A3

EXPLORAT	TRONOX PHASE		PROJECT NO.: 20092518V1 EXPLORATION DATE: 10-9-2009							
	ION SIZE (dia.):		EQUIPMENT: SDC550-24 SONIC CORE R							
ELEVATION	N: EXISTING GRO	DUND SU	IRFACE	LOGGED BY: THO	MPS	SON/0	GARE	<u> </u>		
	PTH TO WATER:									
FINAL DEP	TH TO WATER:	COUNTERED	DATE MEASURED:							
ELEVATION/ DEPTH	ISCS		DESCRIF	DESCRIPTION		Γ	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
- 35 - 37.5 - 40 - 42.5 - 42.5 - 45 - 45 - 47.5		SP	SAND, light reddish brow very fine to fine sand, de cementation Collect SA39-41B, PID r 0.2 ppmV, 11.7 eV = 0.3 trace silt, yellowish red END OF BORING	ense, damp, weak readings: 10.6 eV = 3 ppmV d (5YR 5/8)						0
- - - 50 -										
T	he descriptions contained It i	within this e is not intend	xploration log apply only at the speci ed to be representative of subsurfac	fic exploration location and at the conditions at other locations	the tin s or tin	ne the e nes.	-	n was mac		

Figure No.